

## XXVII. Yamato 980459 (ver. 2003)

Basalt  
82.46 grams

---

### **Introduction**

Announced in Japanese Meteorite Newsletter.

### **Petrography**

Porphyritic basalt.

### **Mineral Chemistry**

*Olivine*: Fo<sub>84</sub>

*Pyroxenes*: En<sub>78</sub>Wo<sub>2.5</sub>

*Maskelynite*: none

### **Whole-rock Composition**

none reported

### **Other Isotopes**

Oxygen isotopes determined by Clayton are  $\delta^{17}\text{O} = 2.52\text{‰}$ ,  $\delta^{18}\text{O} = 4.31\text{‰}$ , with  $\Delta^{17}\text{O} = +0.28\text{‰}$ .